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SOURCE Promyshlennaya Energetika, No 1, 1952, pp 28-29.

The Minsk Bicycle Plant saved 117,000 kw-h of electric power by the following measures: replacement of electrical drying cabinets with conveyer drying furnaces heated by a combination of steam and electric power; conversion from electrical to steam drying of parts after painting; conversion of painting and plating shops to continuous operation; elimination of inefficient power consumption in heating up the drying unit.

The Minsk Tractor Plant saved 187,400 kw-h by the following measures: transfer of the iron-casting shop to the central compressor station instead of using an uneconomical compressor in this shop; changing the conditions for cementation and hardening of parts; and replacement of resistance furnaces with high-frequency heating units.

The Minsk Automobile Plant saved 220,200 kw-h by the additional improvement of methods of melting and pouring malleable iron, additional conversion of electric resistance furnaces for heat treatment of parts to high-frequency heating operation, and installation of 60 idle-arresting devices on metal-cutting tools.

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The Combine imeni Frunze saved 120,000 kw-h in the quarter through a 2% increase in recovery of metal resulting from putting into operation a new chamber for precipitation of tailings.

The rail and girder shop of the Metallurgical Plant imeni Petrovskiy saved 643,000 kw-h by increasing the productivity of heating pits and raising the temperature for heating ingots by 30-40°C.

The rolling shop of the plant saved 202,000 kw-h for the quarter by introducing a new calibration system and reducing the shrinkage of billets for seamless pipes.

The sheet-rolling shop of the plant saved 400,000 kw-h by redesigning the heating furnaces, changing the configuration of ingots to be rolled, and increasing the rotation speed of the rolling tables.

The Tashtekstil'mash Plant saved 105,000 kw-h by introduction of a gas furnace to dry spindles and cones in place of the electric furnace previously used and by reclamation of rejects by metallization.

The Chirchikael'mash Plant saved 185,000 kw-h through organizing the production of heavy parts by the centrifugal casting method.

A machine-building plant of the Ministry of Railroads saved 35,000 kw-h by utilizing the compressed air from compressors being stand-tested.

A carborundum plant saved one million kw-h in the quarter by setting up a special electromagnetic sheave to recover and remove magnetic admixtures from return materials, setting up more economical conditions for melting carborundum, and reducing the melting time by 2 hours.

Textile and cotton-treating enterprises of the Uzbek SSR saved 625,000 kw-h during the quarter by the following measures: making automatic the operation of ventilation and humidification equipment, increasing the spindle speed of spinning machines by 10%, raising the productivity of round knitting machines, and other measures.

The electrification service of the Perm' Railroad achieved electric power savings amounting to 4,798,000 kw-h by reduction of the number of cases of wheel spin by electric locomotives, regulation of the graph of loads and losses in networks, shutting down motor-generators, and switching off RV/mercury rectifiers/ during reduction of loads.

The Kizelugol' Trust saved 1,895,000 kw-h by more efficient operation of the main water-drainage pumps, reduction of the number of hours in operation for compressors, and replacement of lightly loaded transformers and electric motors.

The Ghusovoy Metallurgical Plant saved 649,000 kw-h in the following ways: installation of a fifth holding furnace for mill "800," lengthening of the ore-transport trestle, and reduction of the number of passes in mill "650" from 27 to 23.

The Solikamsk Potash Combine saved 216,000 kw-h as a result of replacement of pumps and electric motors of excessive power with lower-power units.

The Bereznikovskiy Soda Plant saved 1,461,000 kw-h by converting baths of old design to baths of improved design, better charging of equipment, use of circulation water for hydrosol removal, and a number of other measures introduced during the first 6 months of 1951.

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